

Data and Installation instructions S³ Mark II Addressable Strobe Devices



These products are not visual alarm devices and does not meet EN 54-23.

These instructions cover the following range of loop wired addressable S³ devices:

Low profile range

Body	Strobe - Deep base	
White	S2IP-ST-WR-V2 (red lens)	S2IP-ST-WA-V2 (amber lens)
Red	S2IP-ST-RR-V2 (red lens)	S2IP-ST-RW-V2 (white lens)

The low power addressable **Strobe** devices provide visual alarm signals and are designed for use on **Gent** analogue addressable fire alarm systems. Within the range there are optional coloured lens and base combinations. Each Strobe is supplied with a deep base (40mm) offering IP55C ratings.

In addition to the products covered in this leaflet there are *Speech Sounder Strobe* and *Sounder Strobe* variants available, for more information contact your supplier.

The S³ product range incorporates innovative design features and the product design has also been registered.

Do's and Don'ts

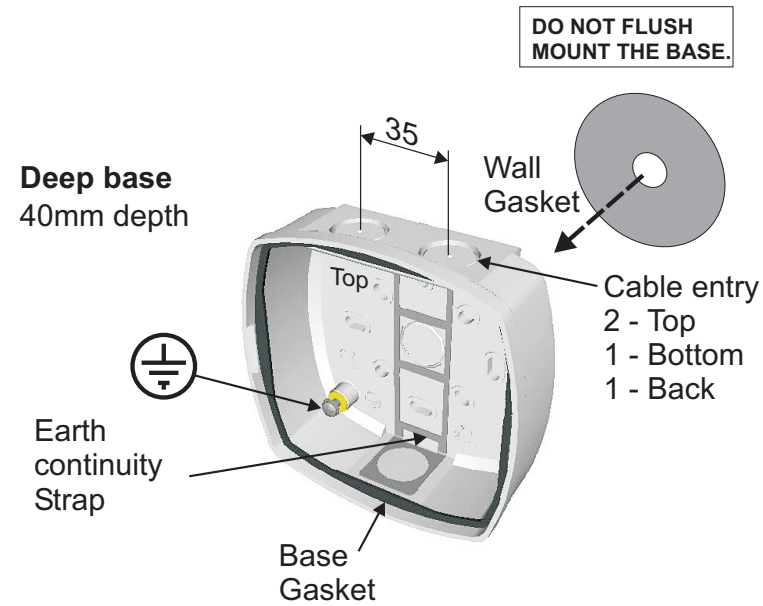
Do's

- Ensure your addressable system can accept S³ products, if in doubt contact your supplier
- Use correct method to open and close the device
- Fit the **wall gasket** first when installing the deep base if IP55C protection is required
- Ensure the **transparent cover** is in place over the PCB
- Ensure the **earth continuity strap** is in place.

Don'ts

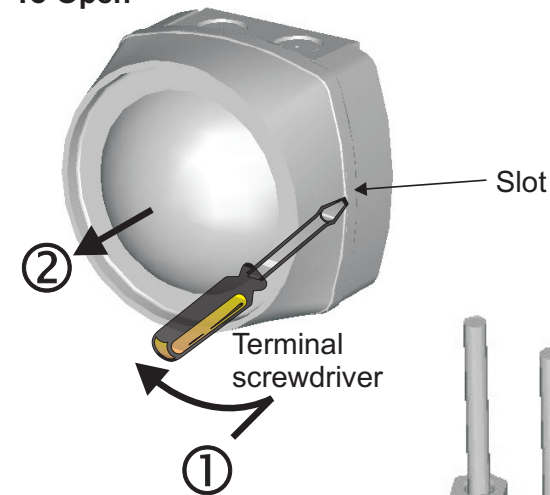
- Don't flush mount the base
- Don't have excessive incoming cable slack
- Don't install the S³ device such that the visual output is obstructed
- Don't paint the device enclosure.

Base

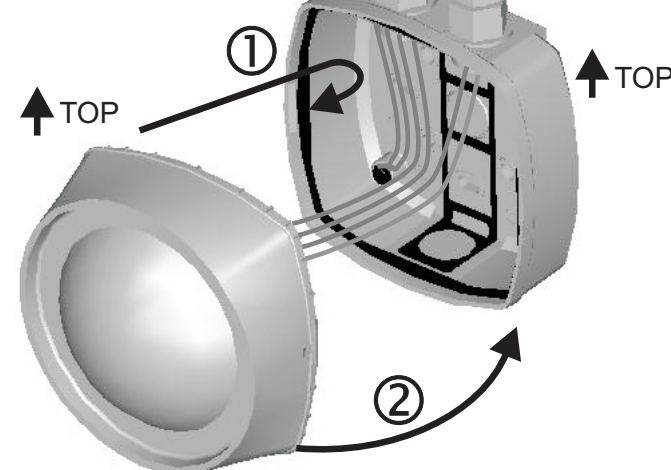


How to open and close the assembly

To Open

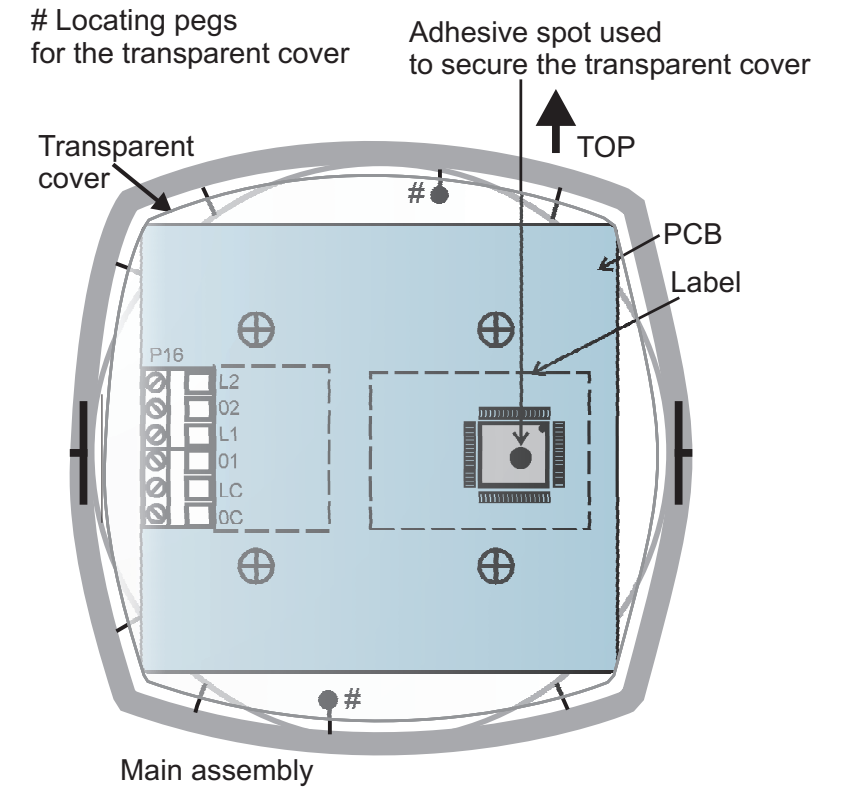


To Close

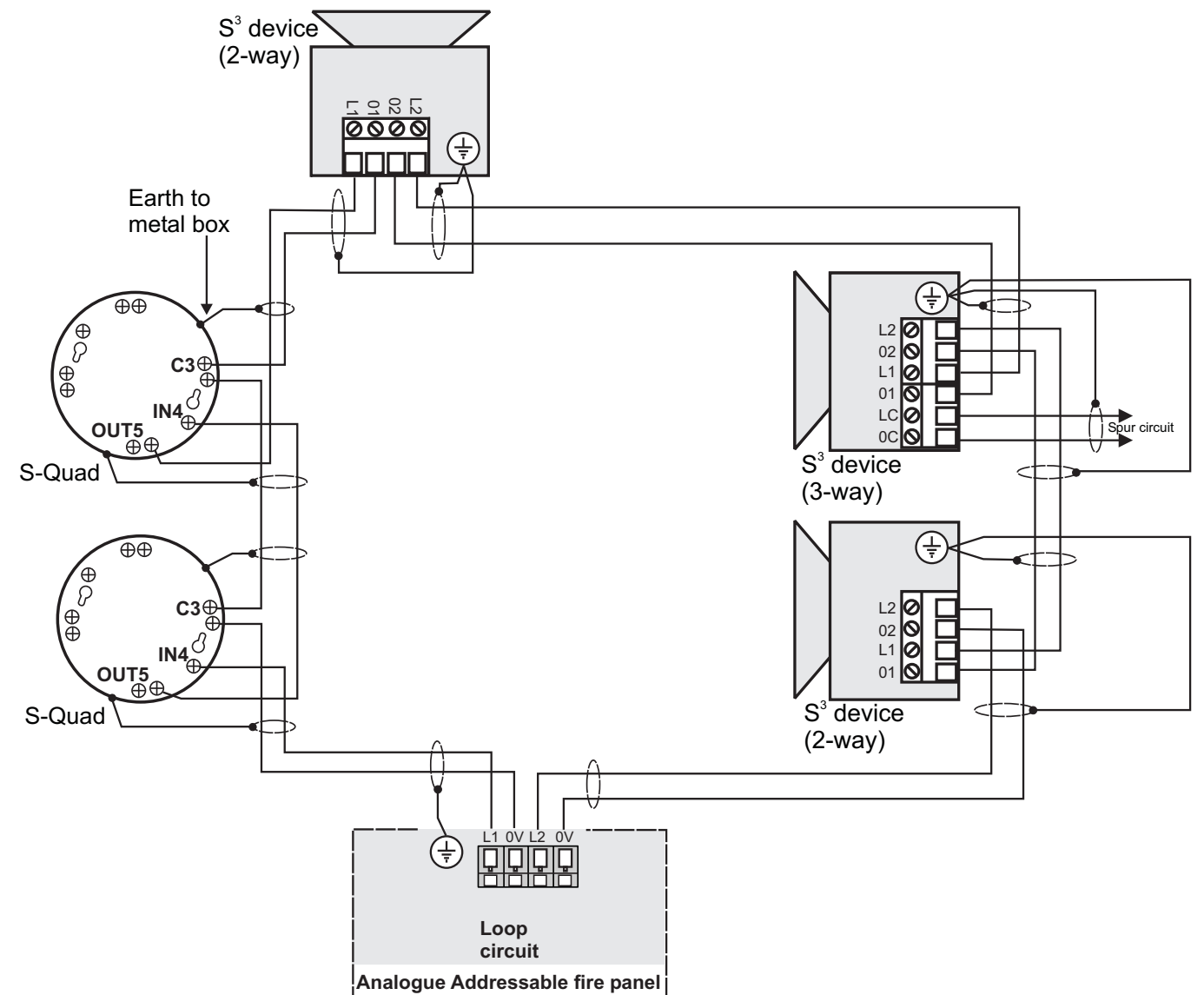


Installation

- 1 Drill or knockout the required cable entry points on the **Base**.
- 2 If IP55C protection is required, then stick the circular **wall gasket** on to the centre back of the **base**.
- 3 Secure the Base to the wall whilst ensuring Top of the Base is in correct orientation.
- 4 Terminate the cable at the entry point leaving no more than 10cm (4") tail wire length for connection.
- 5 Ensure the **transparent cover** is in place over the **PCB**. Connect the wires to the terminal block, see Wiring.
- 6 Close the main assembly to the base.



Wiring



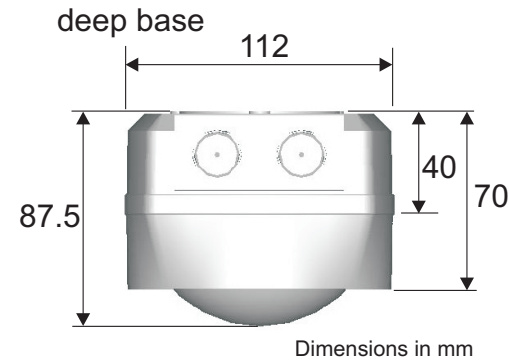
Operation strobe light

The S³ devices on each loop circuit of the fire panel are set up during commissioning. The devices are set up to operate the strobe light output in accordance with site specific evacuation procedures.

In the event of a fire the appropriate S³ device in the system will output standard strobe alarm signals 1, 2 or 3:

- Signal 1 is at 0.5Hz strobe output
- Signal 2 is at 1Hz strobe output
- and Signal 3 is at 1Hz strobe output.

Technical data



Strobe flash rate	Signal 1 - 0.5Hz Signal 2 - 1Hz Signal 3 - 1Hz
Strobe light output with red / amber lens	Equivalent to 3W Xenon flasher
Standards	EN54 : 17 : 2005
Loop loading factors	<i>per device</i>
Red or Amber Strobe	9
White	22
Operating voltage	range 35V to 41V
Terminal size	2.5mm ² - maximum
IP rating	deep base IP55C
Enclosure colour	White / Red body - (with red translucent lens) White body - (with Amber translucent lens) Red body (with White translucent lens) Red body (with Red translucent lens)
Enclosure material	Flame retardant ABS (Strobe cover is polycarbonate) The plastic enclosures meet the flammability requirements of ISO 1210:1992 Class FH-2.
Weight	0.3Kg approximate
Operating temperature	-10°C to 50°C
Storage temperature	-20°C to 70°C
Relative humidity (non condensing)	up to 90%
EN54-17 data	V _{max} 42V I _C max 0.4A V _{nom} 40V I _S max 1A V _{min} 24V I _L max 20μA V _{SO} max 14V ZC max 0.1Ω V _{SO} min 10V

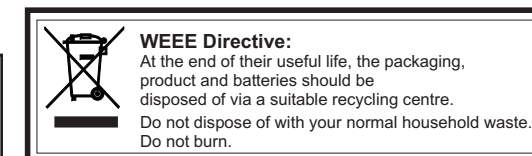
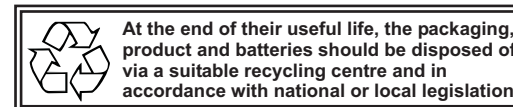
The addressable S³ products are fully synchronised on the same fire panel.

Compatibility

At the time of releasing this data sheet the S-Cubed Mark II devices were compatible for installation on the loop circuits of fire alarm system based on:

≥ mean - Greater than or equal to.	EN panels				
	Vigilon 4 Loop	Vigilon Compact	Vigilon Compact VA	Vigilon 4-6 Loop	All panels
Card ->	MCC	MCB	MCB	MCC	LPC
	≥4.30	≥4.30	≥4.30	≥4.37	≥4.30

≥ mean - Greater than or equal to.	BS panel	
	Vigilon	
Card ->	MCC	LPC
	≥3.90	≥3.90



Gent by Honeywell reserves the right to revise this publication from time to time and make changes to the content hereof without obligation to notify any person of such revisions of changes.

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